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PREPARED BY SUBCOMMITTEE AE-8C1

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space®
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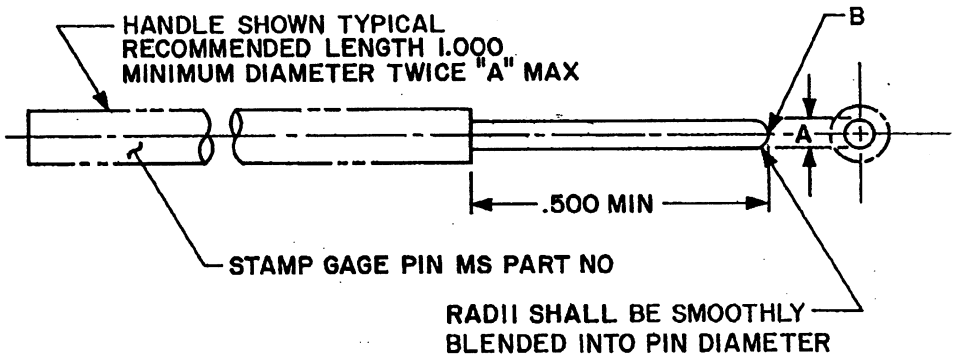
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

GAGE PIN FOR SOCKET
CONTACT ENGAGEMENT TEST

QUESTIONS REGARDING THIS DOCUMENT: (412) 772-8510 FAX: (412) 776-0243



Dash No.	Contact size	A Min +.0001 -.0000	A Max +.0000 -.0001	B Max flat	Gage pin material
-24X1	24	.0245		.007	Tool Steel or Tungsten Carbide
-24Y1			.0255		
-23X1	23	.0260			
-23Y1			.0275		
-22X1	22	.0295			
-22Y1			.0305		
-20X1	20	.0390			
-20Y1			.0410		
-16X1	16	.0615		.015	Tungsten Carbide
-16Y1			.0635		
-12X1	12	.0930			
-12Y1			.0950		
-10X1	10	.1240		.030	
-10Y1			.1260		
-8X1	8	.1410			
-8Y1			.1430		
-6X1	6	.1770			
-6Y1			.1790		
-4X1	4	.2240			
-4Y1			.2260		
-2X1	2	.2820			
-2Y1			.2840		
-0X1	0	.3560		.060	
-0Y1			.3580		
-4/0X1	4/0	.4990			
-4/0Y1			.5010		

INCHES	MM	INCHES	MM
.0001	.002	.1240	3.150
.007	.18	.1260	3.200
.015	.38	.1410	3.581
.0245	.622	.1430	3.632
.0255	.648	.1770	4.496
.0260	.660	.1790	4.547
.0275	.699	.2240	5.690
.0295	.749	.2260	5.740
.030	.76	.2820	7.163
.0305	.775	.2840	7.214
.0390	.991	.3560	9.042
.0410	1.041	.3580	9.093
.060	1.52	.4990	12.675
.0615	1.562	.500	12.70
.0635	1.613	.5010	12.725
.0930	2.362	1.000	25.4
.0950	2.413		

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. MATERIAL: GAGE PIN, AS SHOWN IN TABLE; HANDLE, OPTIONAL.
3. FINISH: 6 TO 10 MICROINCHES ROOT MEAN SQUARE DETERMINED IN ACCORDANCE WITH ANSI B46.1.
4. PLATING: NONE.
5. THESE GAGES ARE INTENDED FOR USE WITH ELECTRIC CONNECTOR SOCKET CONTACTS IN ACCORDANCE WITH MIL-C-39029 AND OTHER SPECIFICATIONS REFERENCING THIS DOCUMENT.
6. FOR DESIGN PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.